IMPORTANT

Make these additions in this catalog NOW!

PAGE 4. RECTANGULAR ALUMINUM BARS

3/4" x 2½" 3/4" x 3"

2.250 2.700

PAGE 8. Insert above line reading "16505 RE Handrail End" the following:
For No. 4915 Aluminum Rail.

PAGE 23. Aluminum Window Sills shown are Type "C".

Top dimension line is "A." Second dimension line is "B." ARCHITECTURAL ALUMINUM

PRODUCTS



Registered U.S. Pat. Off.

ALUMINUM COMPANY OF AMERICA

J.G. Braun Company

Architectural Metals and Supplies

609-615 SO. PAULINA ST. CHICAGO 12, ILL.

EST. 1887

537-541 W. 35TH ST. NEW YORK 1, N. Y.

FOREWORD

The Alcoa Extruded Aluminum shapes and miscellaneous aluminum, Tubing, Pipe, Castings, etc. shown on the following pages represent possibly the largest offering of **Architectural Aluminum** available from warehouse stock.

Of the many new designs added to this Catalog, we want to draw particular attention to the ornamental aluminum castings shown on pages 10 to 15 inclusive. They have been carefully designed and are especially suited for Railings and Trellis. They are light in weight, double faced, and all authentic details have been retained.

Although many new items are shown, we can also supply additional shapes from open mill dies or from dies made for customers exclusive use. There is a nominal charge for special dies.

The designs illustrated are carried in lengths and alloys best suited to their particular use. This information is shown in numerical index on following pages. The illustrations are generally shown in full size but are subject to variation and revision from time to time.

We solicit your inquiries and suggestions.

ALPHABETICAL INDEX

Angles 5	Mouldings—Extruded16 to 25
Balusters	Ornaments Baluster
Bars Baluster	Panels Cast Aluminum
Rectangular	Pipe (I.P.S.)
Square 4 Tee 4 Zee 4	Pipe Fittings
Brackets Handrail9	Railings—Pipe
Ornamental	Rectangular Bars 4
Caps—Newel Post	Rivets 34 Round Bars 4
Casement Sections	Saddles 26
Castings—Ornamental10 to 15	Sash Sections
Channels	Screws 33 Sills—Window 23
Copings	Square Bars 4
Door Sections	Store Front Sections22-24-25
Extruded Mouldings 16 to 25	Tees
Finials 9	Treillage14-15
Fittings Pipe	Tubing Rectangular Round Square Square
Flanges—Floor 32	Window Sections
Glass Sections	Window Sills 23
Gravel Stops	Zees

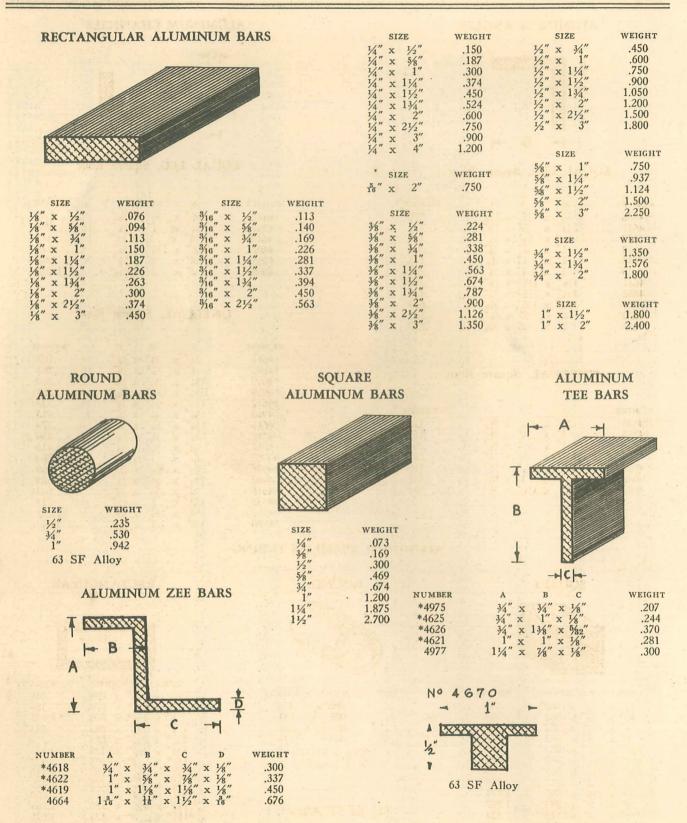
NUMERICAL INDEX

			Length	
No.	Page	Weight	Feet	Alloy
4560	9			Finials
4561 4562	9			"
4563	9			"
4564	9			
4570	9			"
4571	9			
4576	9			Brackets
4576A	9			"
4587	9			
4593		263		
4607			16	
4608	5	1.262		
4609			20	
4610			16 16	
4612		337	20	63ST5
4613	. 5	413	16	63ST5
4614			16	
4616			16	
4618			16	
4619	. 4		16	
4620	. 5		16	
4621	4	337	16	63SF
4623		633	16	63ST5
4625	4-23	244	16	63SF
4626		370	16	63SF
4627			16	
4629			16	
4630		281	16	63ST5
4631			16	
4632	5		16	
4634	5	116	16	63SF
4635	_ 5		16	
4636	- 5		16	
4638	5		16	
4639		431	16	63ST5
4640			16	
4641			16	
4643			16	
4644	_ 21	279	16	63SF
4645			16	
4646	21		16	63SF
4648	_ 20	.107	_12-16	63SF
4649	_ 20	216	12	63SF
4650	_ 16	058	12	63SF
4651 4653	- 20 - 20		12	63SE
4654	_ 20	203	16	63SF
4656	_ 20	133	16	63SF
4657	_ 20		16	
4658	_ 21		16	63SF
4660	_ 21	201	16	63SF
4661	_ 21	144	16	63SF
4662	_ 21		16	63SF
4663	4		16	63ST5
4670	_ 4-22	319	16	63SF

			Length	
No.	Page	Weight	Feet	Alloy
4671		372	16	63SF
4672	22	364	16	63SF
4679		080	16	63SF
4680		.135	16	63SF
4681	16		16	
4682	16 16	138	16	63SF
4687		.300	16	63SF
4690	20	.180	12	63SF
	_21-22	.188	16	63SF
4704		1.147	20	63ST5
4706		1.291	20	63ST5
4708			16	
4710			16	
4711			16	
4713	16-22	061	16	63SF
4720			16	
4721			16	
4723			16	
4724	16	.252	16	63SF
4725			16	
4726	17	276	16	63SF
4729		422	16	63SF
4730	16	155	16	63SF
4731	21		16	
4733 4734	21 21	187	16	63SF
4735	21	244	16	63SF
4737	21	480	16	63SF
4738			16	
4739 4740			16	
4741	21	224	16	63SF
4742		150	16	63SF
4743		230	16 16	63SF
4746		468	16	63SF
4748	17	296	16	63SF
4749	17		16	
4750 4751	16 16		16 16	
4752		093	16	63SF
4753	16	130	16	63SF
4754		578	16	63SF
4755			16	
4766	17	468	16	63SF
4767		425	16	63SF
4768	17	492	16	63SF
4769 4770	17 20	433	16 16	63SE
4771	20	090	16	63SF
4773	24	300	16	63SF
4774	24	235	16	63SF
4775 4776	24 24	.528	16	63SF
4777	16-24	209	16	63SF
4778	24	438	16	63SF
4779	24	431	16	63SF
4780 4781	25	1.600	16	63SF
4782	25	469	16	63SF
4783	21-25	.372	16	63SF

NUMERICAL INDEX

			Length				The sales in the	Length	
No.	Page	Weight	Feet	Alloy	No.	Page	Weight	Feet	Alloy
84	22	718	16	63SF	4902	7		20	63ST
785	22	602	16	63SF	4903	6	794	20	63ST
786		410	16	63SF	4904	6	1.244	20	0351 63ST
788		414	16	63SF	4905	6	/10	20	63ST
789	22	391	16	03SF	4906 4907	0	0/0	20	63ST
790	24	299	16	63CE	4908	6	838	20	63ST
791	24	454	16	63SE	4909	6	690	20	63ST
792 793	24	361	16	63SF	4912	7	828	20	63ST
794	24	330	16	63SF	4913	7	.492	20	63ST
796	22	263	16	63SF	4914	7	.581	20	63ST
797	21-22 '	.187	16	63SF	4915	7		20	63ST
800	25	853	20	63SF	4916		1.408	20	63ST
801	25	847	20	63SF	4920			16	
802		.402			4921			16	
803		476	20	63ST5	4922			16	
804	26	.894	20	63ST5	4923			16	
805	26	624	20	63ST5	4930	23	810	16	6251
807		1.798	20	63515	4931	23	.030	16	6381
809	26	180	20	63ST5	4932	23	706	16	6351
810	26	232	20	63575	4933 4954	43	145	16	6357
811	10	420	16	62575	4955	5	158	16	6351
812		810			4958	5-6	360	20	6357
813 814		860			4959	5-6	.251	20	63S7
815		800			4962		.300	16	63S
817	10	1.913			4963	5-6	.413	16	63S'
818	21	.120			4965	5-6	564	20	63S
819	21	.150	16	63SF	4966	5	863	16	63S'
820		.056	16	63SF	4967	5	564	16	63S'
321		064			4968	5	713	16	63S
822		043			4969		1.013	16	63S'
823	20		16	63SF	4970	5	1.940	20	63S'
826		160			4975	4	207	16	635
829		136			4977	4	300	16	635
1830					4984	20	092	12-20	635
834	20	196	20	63SF	4986	13-15	450	10	035
1835	20	.112	11-16-20	63SF	9900				
1836		.128	11-10-20	63SF	9902				
1837 1838	20	.129105	20	03SF	9906				
1839	20	.106	12 20	62CE	9907	11			
840	20		12_20	63SF	9908				
851	18	.618	16	63SF	9909	11			
852	19		16	63SF	9910	13			
853	17		20	63SF	9911	13			
854	17	1.133			9920	14			"
858	19	.624	16	63SF	9921	14			"
1859	18	1.062	20	63SF	9922	14			"
860	19	.812	16	63SF	9923	14			
861	19	1.212	16	63SF	9930	12			
863	19	0>0		63SF	9931	12			
864	19	830	16	63SF	9940				
867	19	.422	16	63ST5	9941		920	16	620
1868		.812			19047	26	1 102	16 16	620
869		.930			19043 19049			16	
870		1.048			36723			10	
882	1/	852 1.020	20	03SF	36724	28	371	10	639
883 884		769			36725	28	560	10	639
885	17	709	20	62CE	37734	23	524	21	638
887	18	806	16	63STE	37735	23	574	21	635
888		902			37736	23	636	21	638
1889	17	576			37737			21	
1890	18	806			37738	23	746	21	635
4891		954			37739	23		21	
4900		1.018			38649	26	.773	16	63S
				63ST5	39258		1.340		
4901	6	DUX	201	010					

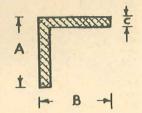


All items on this page 63 ST5 alloy unless shown otherwise. Lengths of 16 feet.

(*) 63 SF Alloy

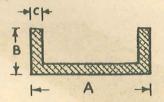
5

ALUMINUM ANGLES



EQUAL LEG, Square Root

ALUMINUM CHANNELS



EQUAL LEG, Square Root

NUMBER	A	В	C	WEIGHT
†4638	1/2" Y	1/2" X	1/16"	.070
4627	1/2" X	1/2" X		.131
4628	5/8" X	5/8" X	+ /11	.168
4629	3/4" X	3/4" ×		.206
4954	1" x	1" x		.145
4630	. 1" x	1" x		.281
4631	11/4" x	11/4" x	- /11	.356
4632	11/2" x	11/2" x	1/8"	.431
4623	11/2" X	11/2" x	316"	.633
4620	2" x	2" x	1/8"	.581
4633	2" x	2" >		.857

UNEQUAL, Square Root

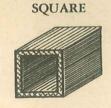
NUMBER	A	В	C	WEIGHT
†4634	3/4" >	3/8" >	3/32"	.116
†4955	1" >	(1/2" x	3/32"	.158
4635	1" x	1/2" X	1/8"	.206
4636	11/4" >	x 1/2" >	1/8"	.244
4637	11/2" x	3/4" x	1/8"	.319
4639	2" >	c 1" >	1/8"	.431
4663	31/2" >	(11/4")	1/8"	.694

NUMBER	A	В	C	WEIGHT
4614	1/2" X	1/2" X	3/32"	.148
4962	3/4" x	3/4" X	1/8"	.300
4613	1" x	1" x	1/8"	.413
4607	11/2" x	11/2" x	1/8"	.637
4966	2" x	2" x	1/8"	.863
4608	2" x	2" x	3/16"	1.262

UNEQUAL, Square Root

NUMBER	A	В	c	WEIGHT
4611	34" x	3/8" x	1/8"	.187
*4600	1" x	1/2" X	1/8"	.263
*4609	11/4" x	1/2" X	1/8"	.300
*4959	17/16" X	1/2" X	3/32	251
*4612	11/2" x	1/2" X	1/8"	.337
4963	11/2" X	3/4" x	1/8"	.413
4616	13/4" x	1/2" X	1/8"	.374
4986	13/4" x 2" x	3/4" X	1/2"	.450
4617	2" x	1/2 X	1/8"	.413
*4965	2" x	1" x	1/8"	.564
*4958	23/32" x	%16" X	332	.360
4967	2½ x	3/4" X	1/8"	.564
4610	3" x	1/2" X	1/8"	.563
4968	3" x	1" x	1/8	.713
4969	4" x 5" x	11/2" x		1.013
*4970	5" x	2" x	3/16"	1.940

ALUMINUM SEAMLESS TUBING



SIZE	THI	CKNESS	WEIGHT
1/2"	x 1/2"	x .062	.130
5/8"		x .062	.167
3/4"	x 3/4"	x .062	.205
1"	x 1"	x .062	.278
11/4"	x 11/4"	x .062	.353
11/2"	x 11/2"	x .062	.428
13/4"	x 13/4"	x .062	.502
	x 2"		.576
21/2"	x 21/2"	x .093	1.074
	x 3"	x .093	1.297
*4"	x 4"	x .125	2.324
	Alloy	3-S Drawn	

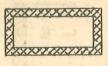
ROUND



SIZE	THICKNESS	WEIGHT
1/2"	.065	.104
3/4 "	.065	.164
1"	.065	.224
11/2"	.065	.344
	Alloy 3-SH1	4
	12 ft. length	S

(†) 63 SF Alloy

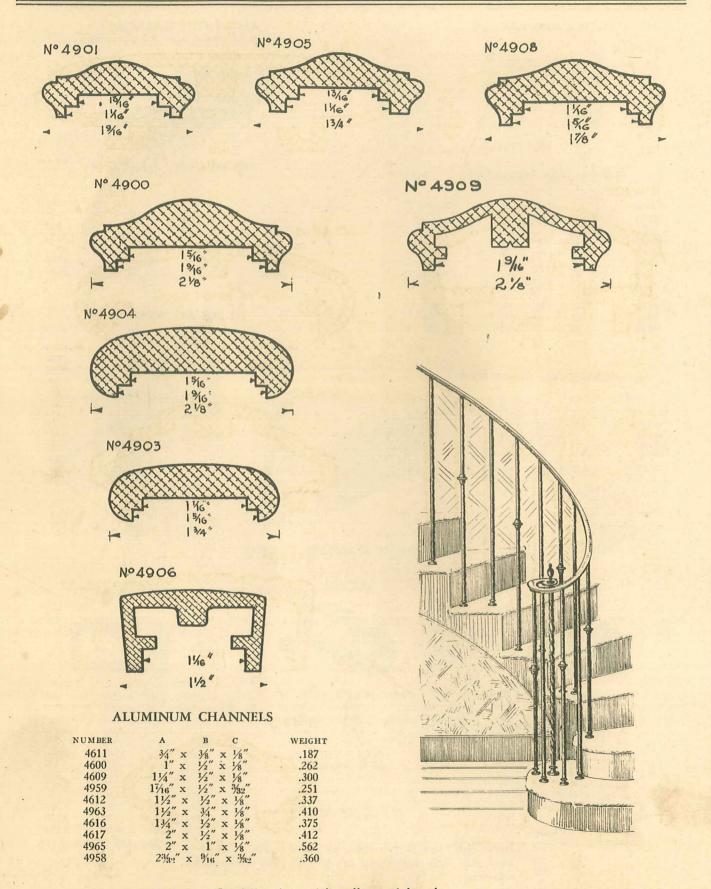
RECTANGULAR



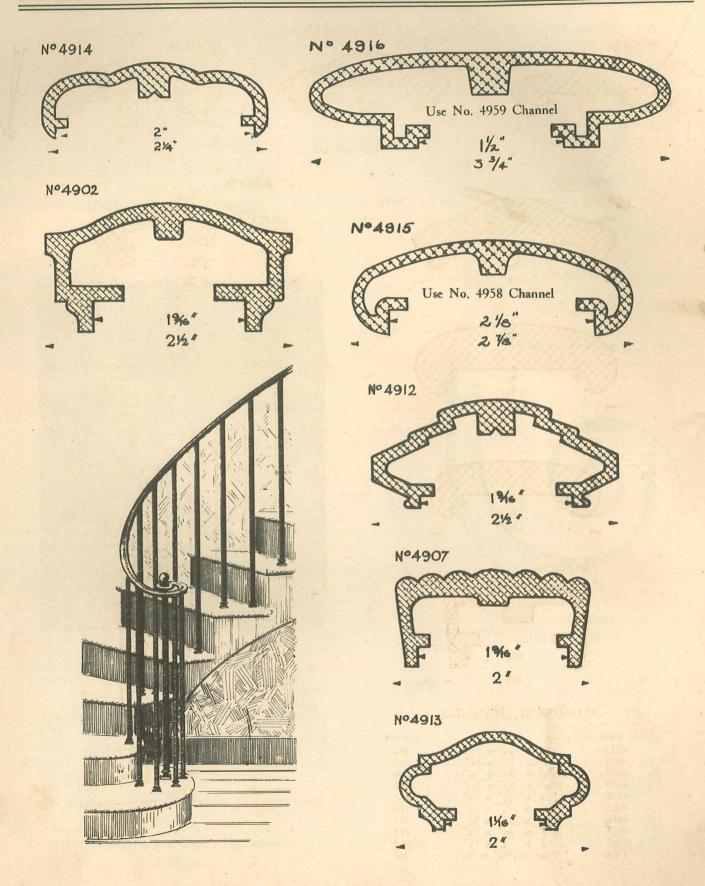
	- Luciano		
SIZE	THICK	NESS	WEIGHT
1/2" X	1" x	.078	.246
3/4" x	11/2" x	.078	.384
1" x	11/2" x	.078	.431
1" x	2" x	.083	.553
11/4" x	21/2" x	.083	.700
13/4" x	21/4" x	.128	1.125
13/4" x	3" x	.125	1.323
*13/4" x	31/4" x	.102	1.150
		.125	1.470
*13/4" x	4" x	.125	1.650
13/4" x	41/2" X	.125	1.765
*13/4" x	5" x	.125	1.910
* 2" x	3" x	.125	1.395
	and the same of th		

Alloy 3-S Drawn

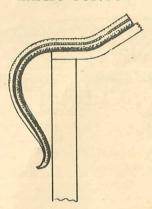
Items with * are 20 ft. lengths, all others on this page are 16 feet. All items on this page are 63-ST5 alloy unless shown otherwise.



Illustrations Full Size See index for weight, alloy and lengths.



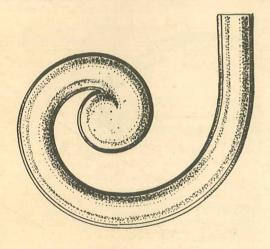
LAMBS TONGUE



FOR ALUMINUM HANDRAILS

Nos. 4900, 4901, 4904 4908, 4909

LATERAL SCROLL



FOR ALUMINUM HANDRAILS

Nos. 4900, 4901, 4904 4908, 4909

Lateral Scrolls are furnished right and left. Scroll as illustrated is left hand for left side rail. For opposite side, order right hand scroll. A sheet giving full sizes of these lateral scrolls will be sent on request.

Lateral Bar Scrolls of malleable iron to fit the above moulding scrolls are also available.

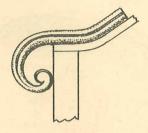
SQUARE TERMINAL



FOR ALUMINUM HANDRAILS

Nos. 4900, 4901 4904, 4909

VERTICAL END

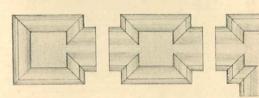


FOR ALUMINUM HANDRAILS

Nos. 4900, 4901, 4904 4907, 4909



16505 RE Handrail End 16505 B Handrail Bracket



END CAP

CENTER CAP

CORNER CAP

FOR ALUMINUM HANDRAIL

No. 4908

ALUMINUM CAPS AND DROPS

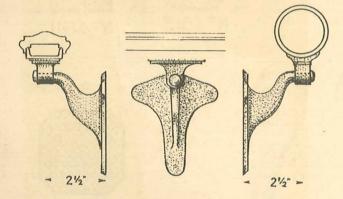
TYPE B



FOR SQUARE TUBING

3" x 3" 4" x 4"

WALL RAIL BRACKET



No. 4576 Aluminum Bracket for Channel No. 4576A Aluminum Bracket for Piperail A novel and attractive Bracket. The Swivel allows Backplate to remain always in vertical position no matter what the pitch of the Handrail,

SQUARE BASE

TYPE A

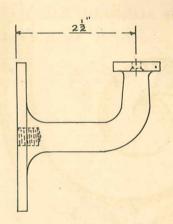


FOR SQUARE TUBING

3" x 3" 4" x 4"

FOR RECTANGULAR TUBING

4" x 6"

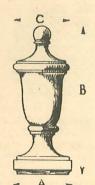


WALL RAIL BRACKET

Flat Top No. 4587

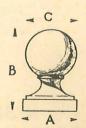
Curved Top No. 4593

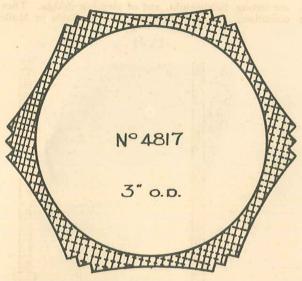
SQUARE BASE



POLISHED ALUMINUM FINIALS

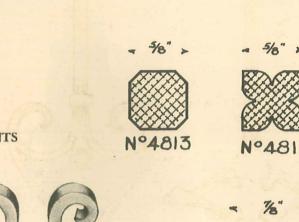
Additional finials in Polished Bronze and malleable iron are also available.

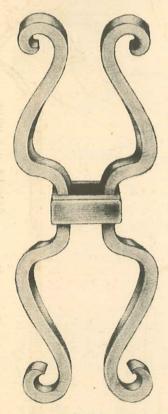




CAST ALUMINUM BALUSTER ORNAMENTS

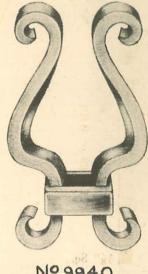
For 1/2" and 5/8 Square Bars



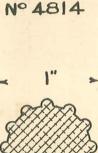


Nº9941

For 1/2" and 5/8 Square Bars



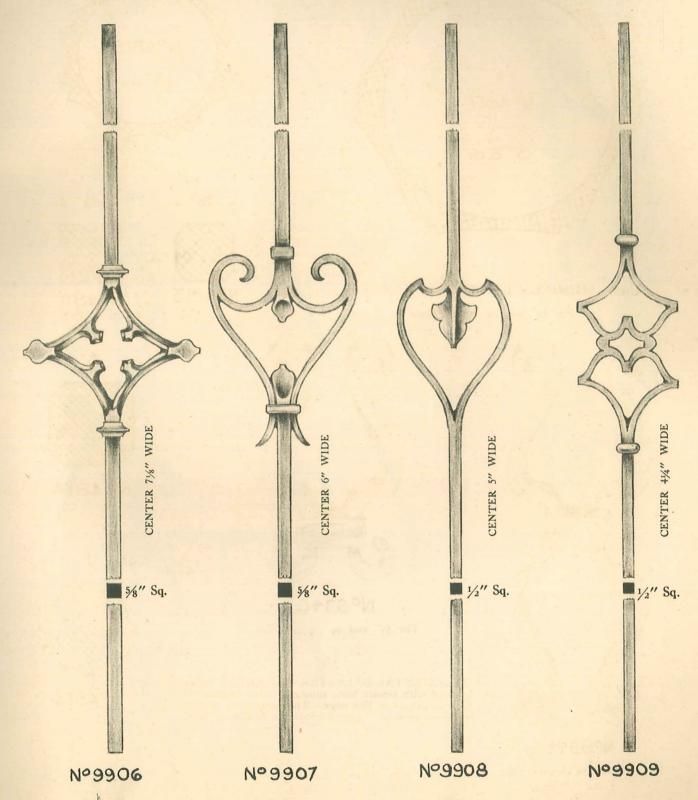




Nº4812

CAST ALUMINUM BALUSTER BARS

ORNAMENTAL ALUMINUM BALUSTER BARS, are strong, lightweight, and of pleasing design. They are supplied in long lengths so they can be cut to meet any condition. These designs are also available in Malleable Iron. Ask for full information.

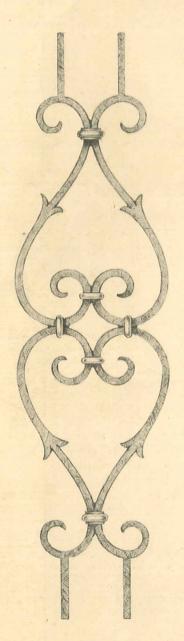


BALUSTER BARS ARE SUPPLIED 3'-3" LONG

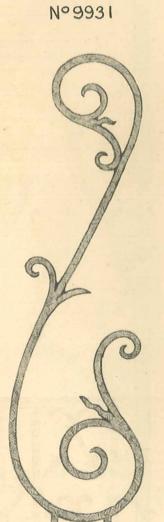
CAST ALUMINUM RAILING PANELS

ORNAMENTAL ALUMINUM RAILING CASTINGS are double faced, strong and lightweight. They may be used as railing panels or as a continuous design in Porch enclosures, etc. Also available in Malleable Iron.

Nº9930



Height 37" Width 9½"



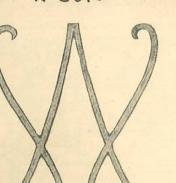


Nº9931

Height 33" Width 8½"

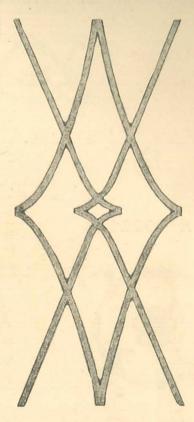
CAST ALUMINUM RAILING PANELS

Nº9910

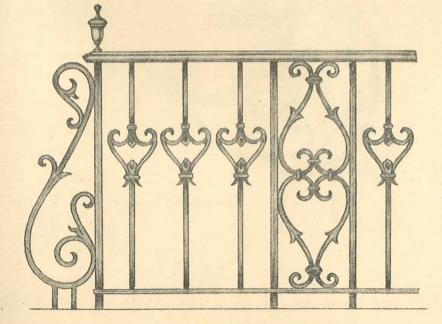


Height 24½" Width 10½"

N°9911



Height 24½" Width 10½"



Nº9900

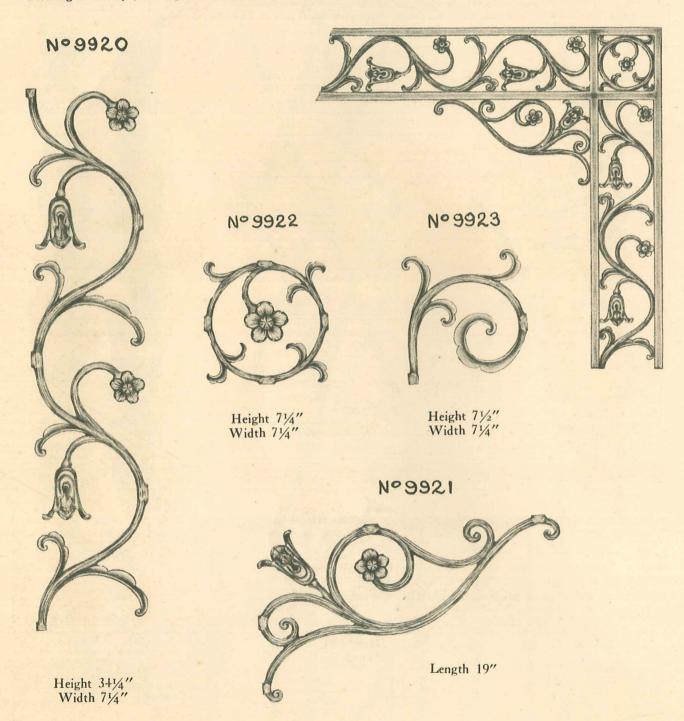


Height 311/4" Width 81/2"

ORNAMENTAL ALUMINUM PANELS shown on this page are double faced and especially designed for railings of continuous design. They may also be used in construction of window guards, porch enclosures, etc. Also available in Malleable Iron.

ORNAMENTAL ALUMINUM CASTINGS

DOUBLE FACED ALUMINUM CASTINGS offered on this page are entirely new and different in design. Pleasing to the eye, and light in weight, they lend themselves particularly to small house decoration.



Ideally suited for decorating entrances, porches, trellis, etc. May also be had in malleable iron. Refer to other pages for interesting designs.

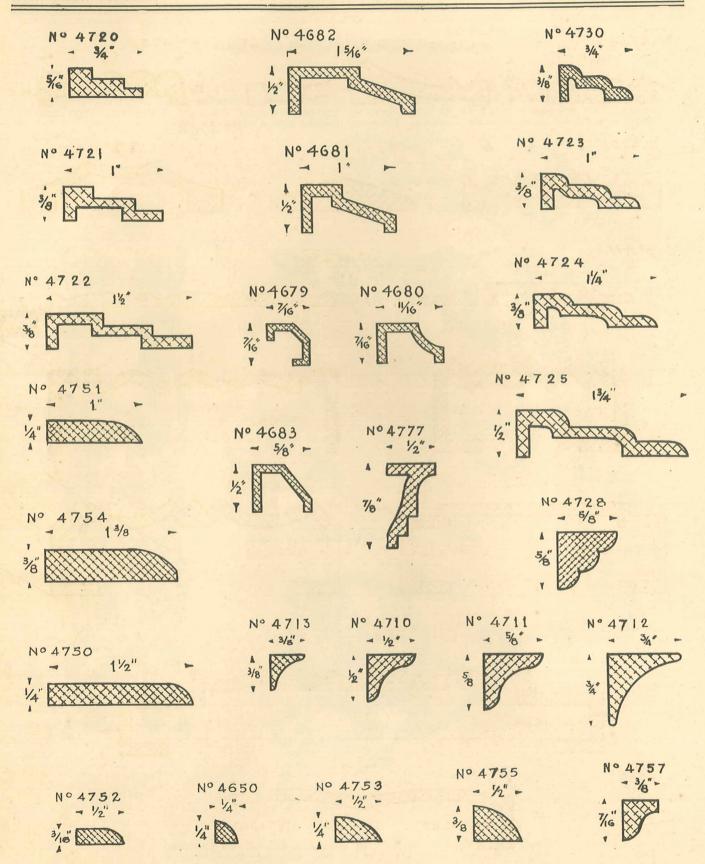
ORNAMENTAL ALUMINUM CASTINGS

DOUBLE FACED ALUMINUM CASTINGS, shown on this page are authentic replicas of genuine Southern designs. They are ideally suited for the construction of Porches, Verandas, Balconies, Trellis etc. Their lightweight construction allows for easy handling. They may also be had in Malleable Iron.

Nº 9901 Nº 9900 Length 23" Nº9902 Height 81/2" Width 81/2" Height 311/4" Width 81/2"

Design No. 9901 may be used as a hanging bracket for Lanterns, Flower Holders, Signs, etc. Design No. 9900 may be used as a railing panel.

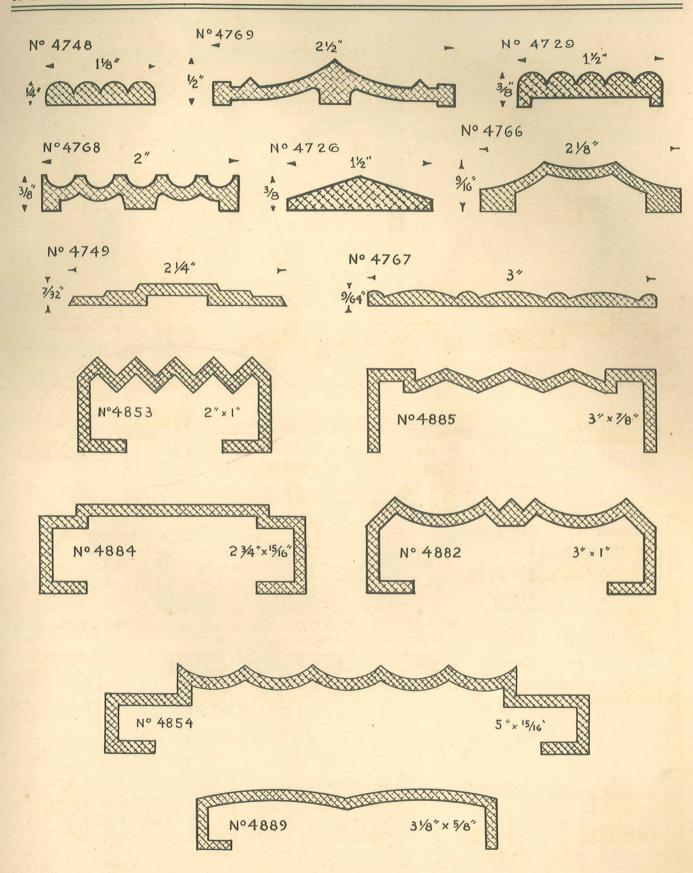
J. G. BRAUN COMPANY



Illustrations Full Size

See index for weight, alloy and lengths.

Measurements Approximate

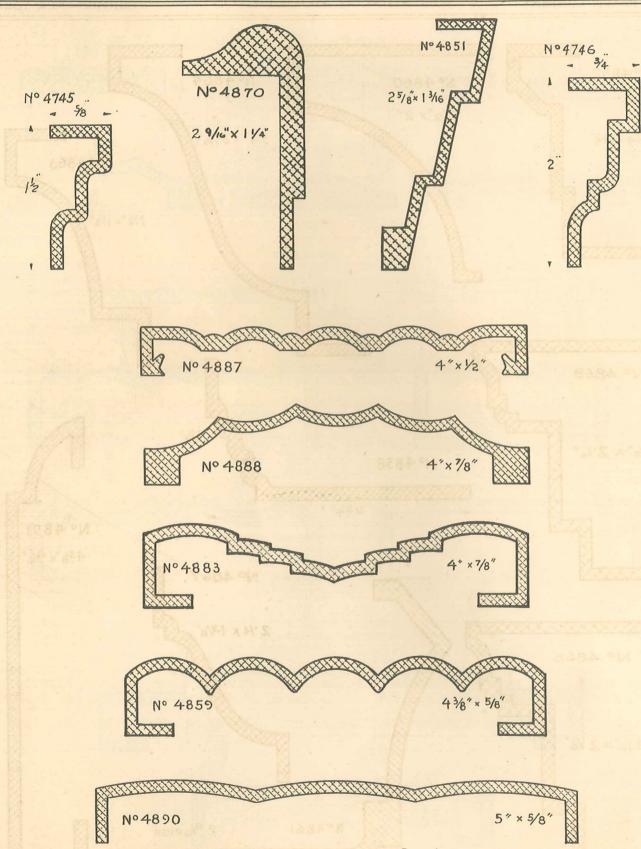


Illustrations Full Size

See index for weight, alloy and lengths.

Measurements Approximate

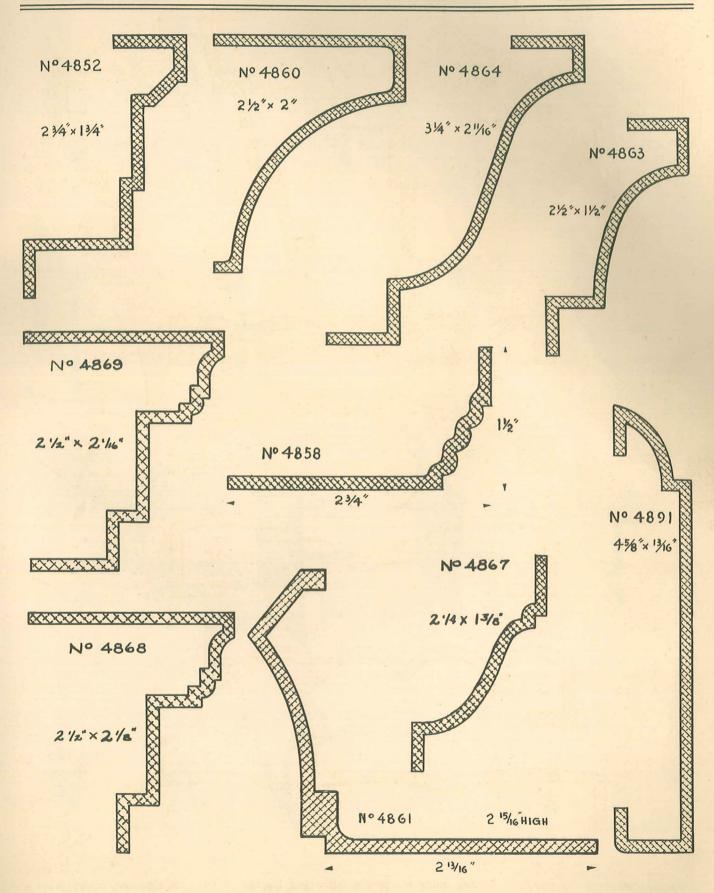
J. G. BRAUN COMPANY



Illustrations Full Size

See index for weight, alloy and lengths.

Measurements Approximate

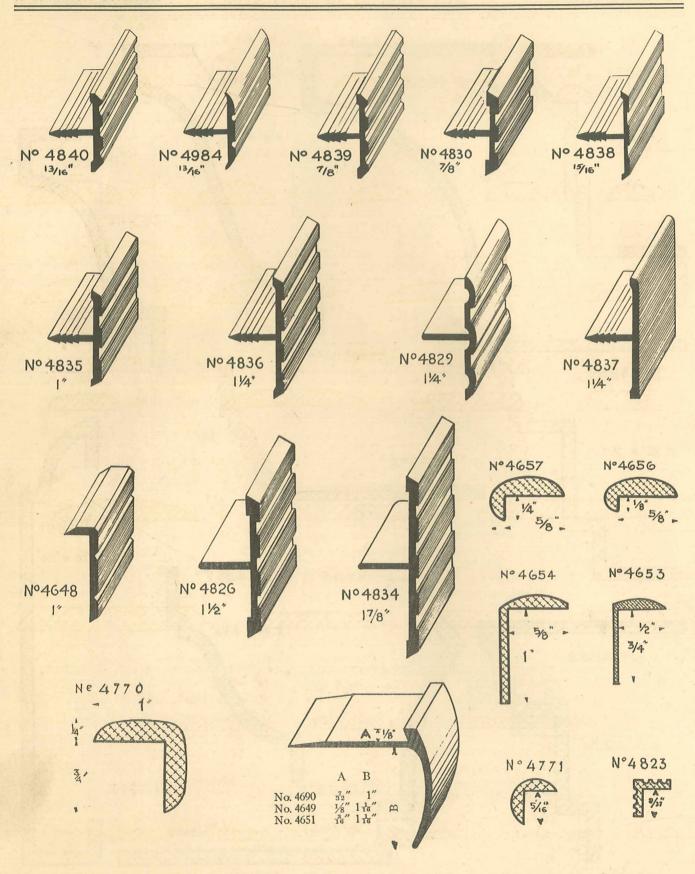


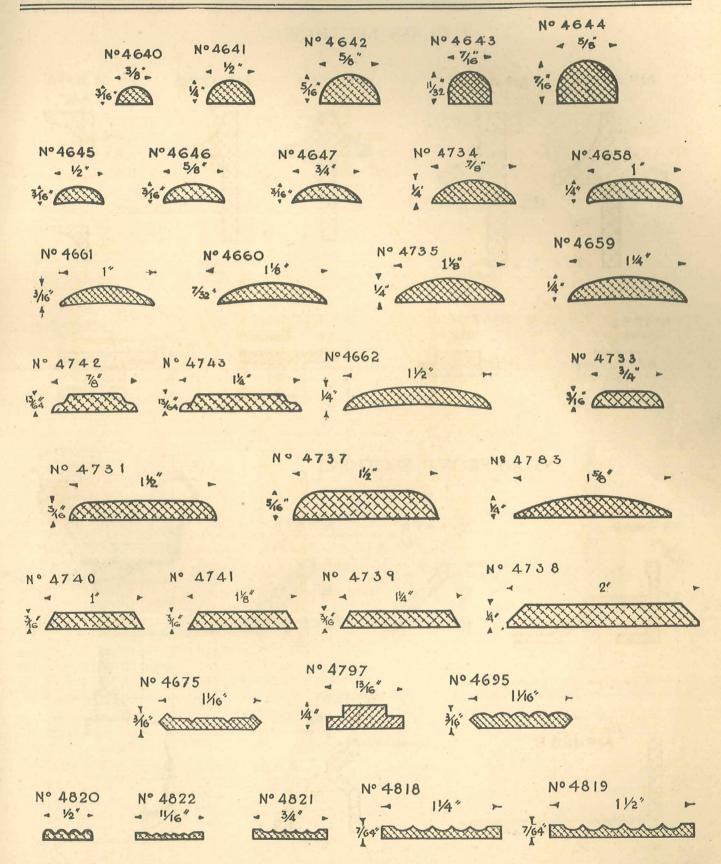
Illustrations Full Size

See index for weight, alloy and lengths.

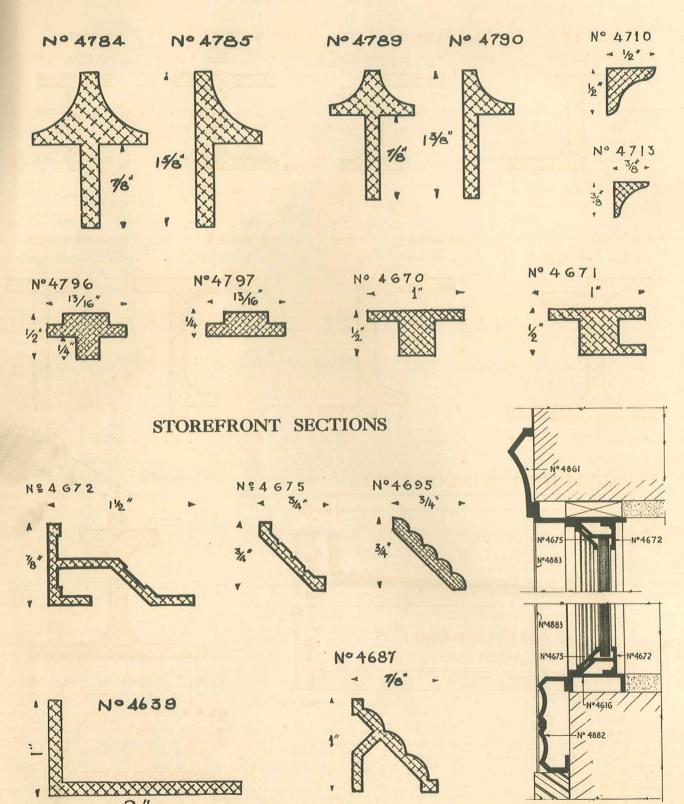
Measurements Approximate

J. G. BRAUN COMPANY





GLASS SECTIONS

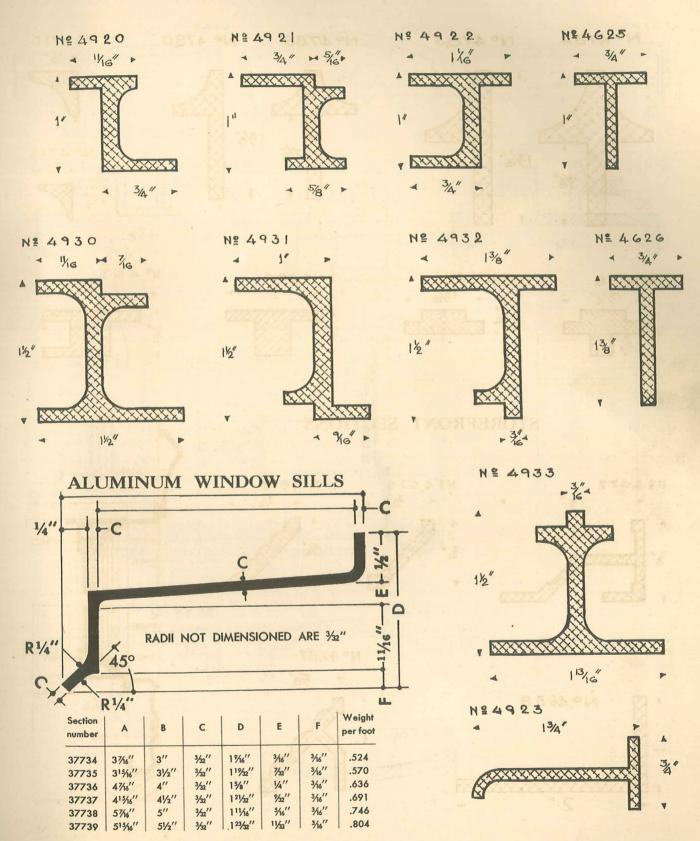


Illustrations Full Size

See index for weight, alloy and lengths.

Measurements Approximate

CASEMENT SECTIONS

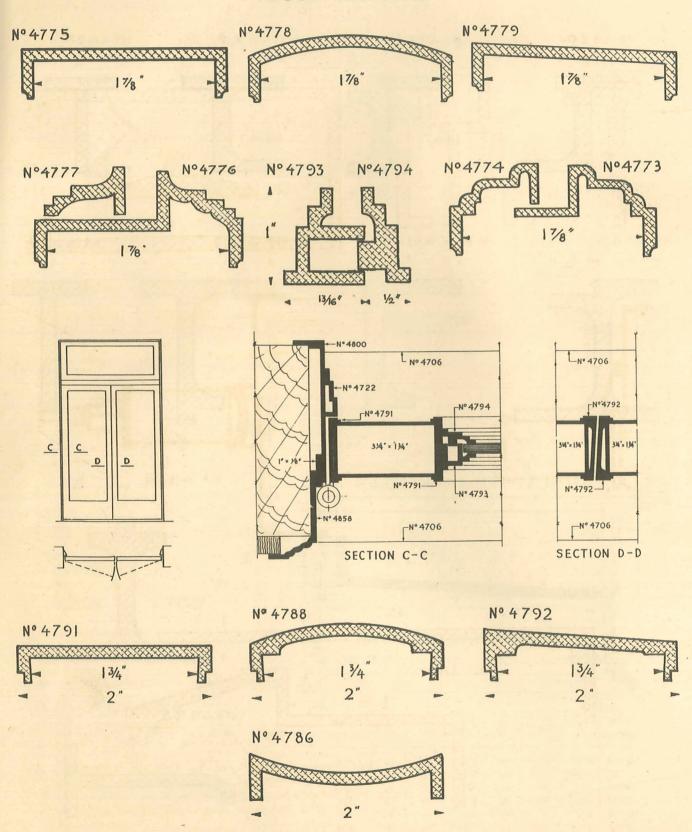


Illustrations Full. Size

See index for weight, alloy and lengths.

Weights and Measurements Approximate

DOOR SECTIONS

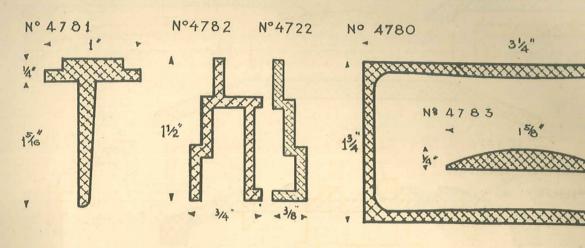


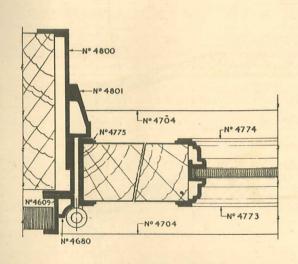
Illustrations Full Size

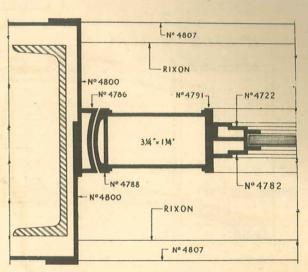
See index for weight, alloy and lengths.

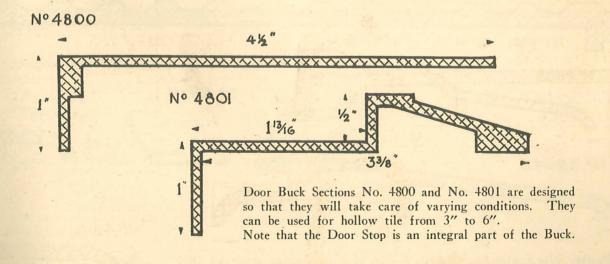
1%"

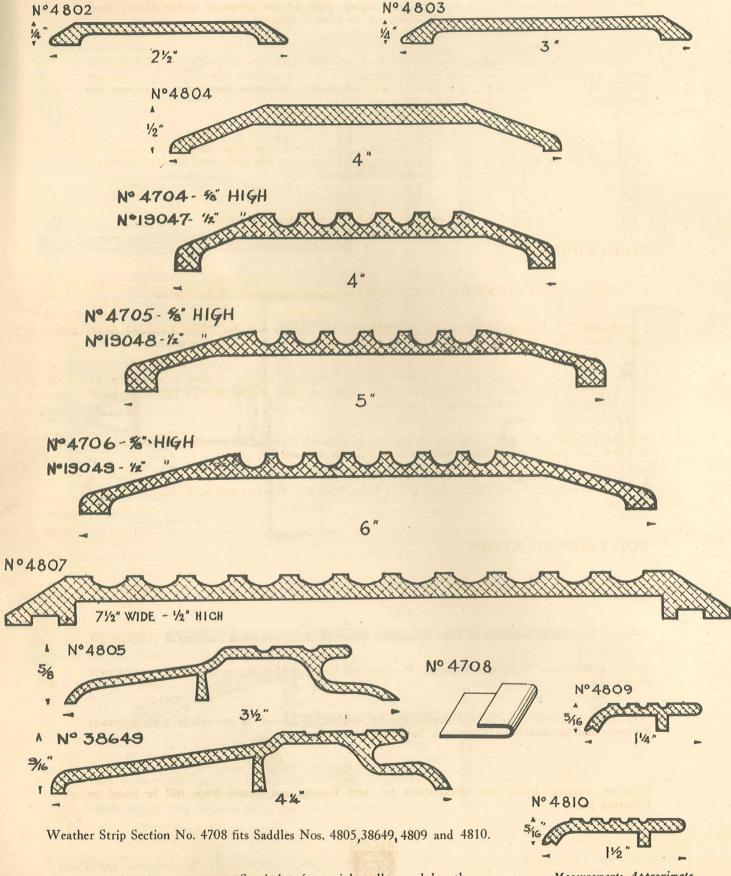
DOOR SECTIONS











Illustrations Full Size

See index for weight, alloy and lengths.

Measurements Approximate

ALCOA COPINGS & GRAVEL STOPS

On the following pages we offer an entirely new aluminum service from stock. Extruded Aluminum Copings and Gravel Stops are supplied complete with all the necessary anchor plates, sheet, joint cover plates, strap anchors, nails, washers, etc. to finish a complete job.

Extruded Aluminum Copings and Gravel Stops are watertight, light in weight and offer an inexpensive installation with a minimum of time and labor. Can be assembled almost entirely on the job and are equally well suited for new work or for replacements. Complete details for installation and specifications will be found on the following pages.

The light weight of Extruded Aluminum Copings and Gravel Stops make them easy to handle as they weigh only a fraction of stone or terra cotta. Transportation and labor costs are greatly reduced as no special conveying or hoisting equipment are necessary.

The following complete materials are furnished for each job.

FOR COPINGS

EXTRUDED ALCOA ALUMINUM FASCIA 36723 is supplied in straight 10 ft. lengths.

SUFFICIENT No. 36724 EXTRUDED ALUMINUM Joint Cover and No. 36725 Extruded Aluminum Anchor Plate are supplied to cut all the 6 inch pieces necessary to complete job.

SUFFICIENT ALUMINUM SHEET of .064 and .032 thickness will be supplied to make the desired width of coping sheets and joint covers. The Aluminum Sheet will be supplied flat, to be shaped by installing contractor to meet existing conditions.

WELDED CORNERS, both inside and outside can be supplied, if desired, in accordance with customers drawings and specifications. These will be subject to our approval.

Sufficient Aluminum Nails, Electro Galvanized bolts, Nuts and Washers will be furnished to fasten Copings.

FOR GRAVEL STOPS

EXTRUDED ALCOA ALUMINUM GRAVEL STOP. No. 39259 is supplied in straight 10 ft. lengths.

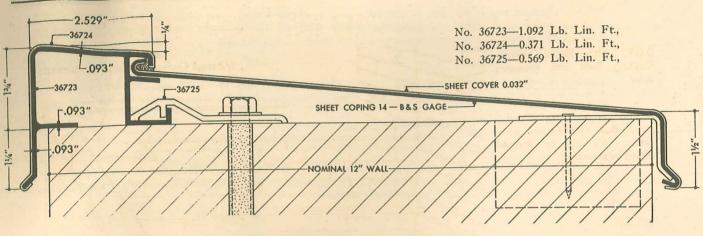
Sufficient No. 39258 Joint Cover Plate is supplied to cut all the 6 inch pieces necessary to complete joh.

Sufficient Aluminum Nails with Neoprene Washers will be supplied to fasten Gravel Stop and Cover Plates.

WELDED CORNERS, inside and outside can be supplied, if desired, in accordance with customers drawings and specifications. These will be subject to our approval.

Complete working details and specifications for both Copings and Gravel Stops will be found on following pages.

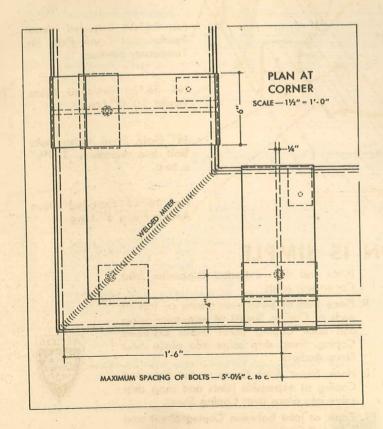




SCALE - HALF FULL SIZE

This type of Coping, which combines an Alcoa extruded shape with formed sheet aluminum, is adaptable for walls of any thickness or material. The extruded shape may be purchased cut to specified lengths and requires very little shop fabrication.

The Coping Sheet proper and Joint Cover Sheet can be readily and accurately formed by any well equipped fabrication shop. The result is an economical and watertight custombuilt coping designed for the structure on which it is used.



SPECIFICATIONS

EXTRUDED SHAPES

*635-F

Extruded shapes shall be Alcoa Aluminum alloy *, as extruded, Federal Specification QQ-A-356b, Condition F. The extruded Coping shall be not less than 0.093 inch thick; the extruded Expansion Joint Cover shall be not less than 0.050 inch thick.

Extruded shapes shall have smooth, clean, sharp profiles, true to details, dimensions, design requirements and unless otherwise noted, shall be straight and true to line, and shall conform to Alcoa standard tolerance for extruded shapes.

Extruded shapes formed to curve shall be true to radii and free from buckling, kinking or twisting. Certain or all shapes shall be made with miters, slots, plain or tapped holes as required for assembly.

SHEET ALUMINUM

Aluminum sheet shall be Alcoa Aluminum alloy 3S, ½ H temper, Federal Specification QQ-A-359a, Condition ½ hard. The Coping sheet shall be not less than 0.064 inch in thickness; the Sheet Joint Cover shall be not less than 0.032 inch in thickness.

Sheet Aluminum shall be formed to details, dimensions and design requirements as shown on the drawings and, unless otherwise noted, shall be straight and true to line.

Sheets formed to curve shall be true to radii and free from buckling, twisting or kinking, and made with miters, holes and crimps as required for complete assembly.

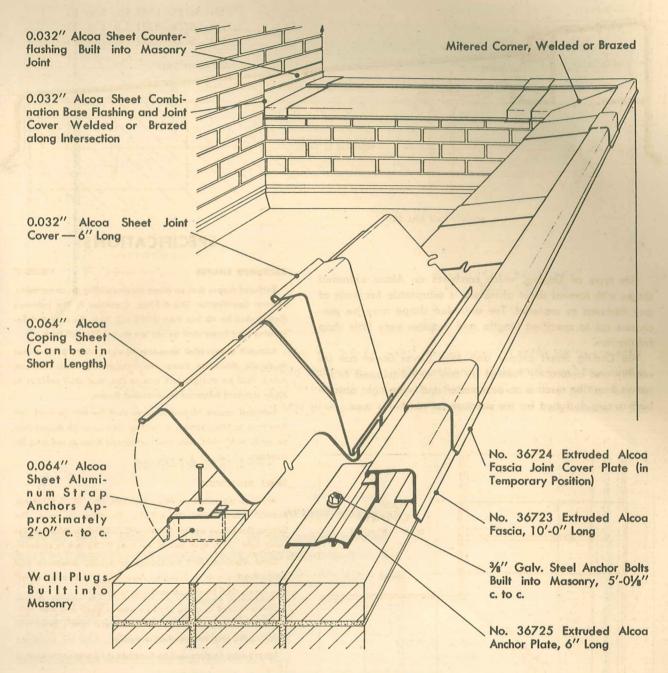
Sheet coping sections shall be furnished in lengths not to exceed 10'-0".

EXTRUDED ANCHOR PLATES

Anchor Plates shall be Alcoa Aluminum alloy *, as extruded, Federal Specification QQ-A-356b, Condition F; formed true to detail, and having a minimum thickness of 0.125". Formed sheet strap anchors shall be 3S, ½ H alloy not less than 0.064 inch in thickness.

NAILS

Nails for securing strap anchors shall be aluminum or galvanized steel roofing nails.



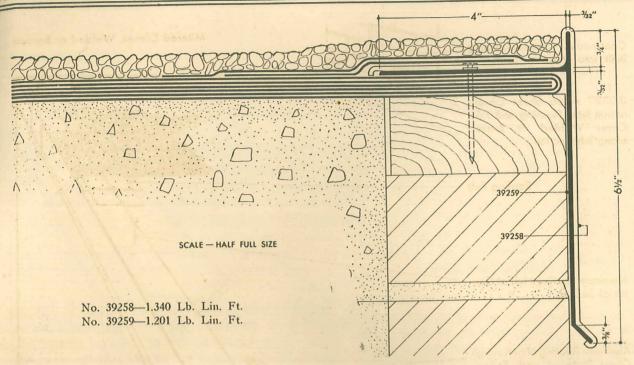
INSTALLATION IS SIMPLE

- 1. Work from the corners;
- 2. Nail Strap Anchors in place;
- 3. Place 10-foot section of Extruded Copings;
- Slide on Extruded Expansion Joint Cover to clear joint;
- 5. Insert Anchor Plate;
- Slip next 10-foot section of Extruded Coping under Anchor Plate, allowing ¼ inch between sections for expansion;
- 7. Place anchor washer and nut and tighten;
- 8. Place bed of bituminous mastic on top at ends of Extruded Copings at expansion

joints and slide Extruded Expansion Joint Cover over joint;

- Place bed of bituminous mastic on top at ends of Coping Sheets at expansion joints and hook Coping Sheet under Extruded Coping. Snap drip edge into place over Strap Anchors.
- Hook Sheet Joint Cover under Extruded Coping at expansion joints and snap drip edge into place over Coping Sheet.
- Caulk at joint between Coping Sheet and Extruded Coping.





The use of this Alcoa Extruded Gravel Stop with its Joint Cover Plate gives a positive watersealed unit at minimum cost. Installation of this unit is accomplished by driving one nail in the center of each length and one through the Cover Plate at each joint.

This Gravel Stop was designed especially for use with bonded roofing.

EXTRUDED SHAPES PLAN AT CORNER SCALE - 11/2" = 1'-0" MAXIMUM LENGTH OF SECTIONS 10'-0"

SPECIFICATIONS

*635-F

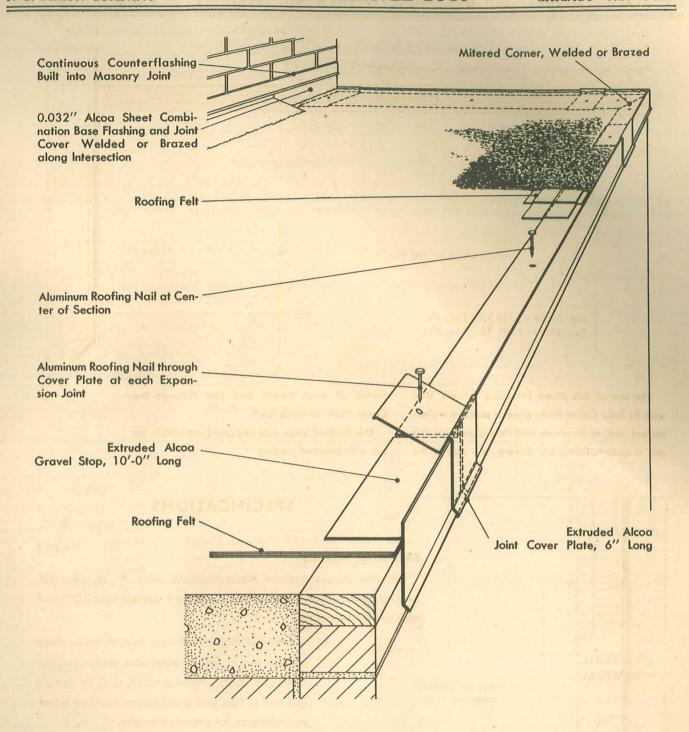
Extruded shapes shall be Alcoa Aluminum alloy *, as extruded, Federal Specification QQ-A-356b, Condition F, not less than 0.093 inch thick unless otherwise specified.

> Extruded shapes shall have smooth, clean, sharp profiles, true to details, dimensions, design requirements and unless otherwise noted, shall be straight and true to line, and shall conform to Alcoa standard tolerance for extruded shapes.

Extruded shapes formed to curve shall be true to radii and free from buckling, kinking or twisting. Certain or all shapes shall be made with miters, slots and holes as required for assembly.

NAILS

Nails for securing gravel stop sections and cover plates shall be Aluminum roofing nails.



INSTALLATION IS SIMPLE

- 1. Work from the corner:
- 2. Place 10-foot section of Extruded Gravel Stop;
- 3. Nail at center only;
- 4. Slide on Extruded Joint Cover Plate to clear joint;
- 5. Place next 10-foot section of Extruded Gravel Stop, allowing 34" between sections for expansion and nailing.
- Slide Extruded Joint Cover Plate over joint on bed of bituminous mastic and nail.



STANDARD ALUMINUM PIPE 63-ST-5 ALLOY

AVAILABLE IN THREE SIZES

1" I.P.S.

11/4" I.P.S.

11/2" I.P.S.

Supplied in 12 Foot Lengths

STANDARD ALUMINUM, fittings and pipe are ideally suited for Hand Rails, Guard Rails, etc., etc. They are highly resistant to corrosion, durable and leave no streak or stain on adjacent surfaces.

ALUMINUM FITTINGS FOR RAILINGS CROSS ELL-90° AVAILABLE FOR 14" AND 11/2" ALUMINUM PIPE FLUSH TYPE FACIA FLANGE TEE PIPE RAIL BRACKET No. 4593 HANDRAIL FLOOR FLANGE TERMINAL

FLUSH TYPE FITTINGS, are clean, strong and fit perfectly with outside surface of Aluminum Pipe. Only a thin seam is visible between pipe and fittings. All fittings are cast aluminum alloy B-214, except floor flange and facia flange which are forged aluminum, alloy 61-ST.

RAILINGS, made from genuine aluminum pipe and fittings are long lasting with a minimum of maintenance. Pipe and flush type fittings are fastened together with pins or weld. Other fittings for stair rails in 35° or 40° angles are available on special order. Ask for full information.

"ALCOA" 24S-T4 ALUMINUM MACHINE SCREWS

BRIGHT FINISH NATIONAL COARSE THREADS—CLASS 2—FREE FIT

	4-40	6-32	8-32	10-24	10-32	1/4"-20	5/16"-18	3/8"-16
Length								
1/4"	FR	FRJ	FRJ	R	FRJ		315 -17	
5/16" -	FR	FRJ	FR	FROJ	FR			
3/8"	FR	FROJ	FROJ	FROJ	FRJ	FRJ		
7/16"			FR					
1/2"	FR	FROJ	FROJ	FROJ	FRJ	FROJ	FR	-200
5/8"	F	FROJ	FRJ	FR	FRJ ,	FR		
3/4"	FR	FROJ	FROJ	FROJ	FRJ	FROJ	FR	FR
7/8"			FJ		FR	FR	Elling	
1"	FR	FROJ	FROJ	FROJ	FRJ	FROJ	FR	FR
1 1/4"		J .	FROJ	FRJ	FRJ	FRO	FR	FR
11/2"		FRO	FRO	FRO	FR	FROJ	FR	FR
1 3/4"	1 4	112	R	R	R	FR		
2"		=	R	FR	FR	FRO	FR	FR

"ALCOA" 24S-T4 ALUMINUM WOOD SCREWS

BRIGHT FINISH-AMERICAN NATIONAL STANDARD

	#6	#8	#10	#12	#14
Length					
49 1/2"	FRO	0			
5/8"	FRO				
3/4"	FRO	FRO	FR		
1"	FRO	FRO	FRO	FR	
11/4"	FRO	FRO		FRO	FRO
11/2"	0	FRO	FRO	FRO	FRO
1 3/4"					FR
2"			FRO	FRO	FRO

"ALCOA" ALUMINUM MACHINE BOLTS

HEXAGON HEAD 24S-T MACHINE FINISH—NOT WASHER FACED

MACHINE TIMOIT—NOT WASHER TAGED									
	1/4"-20	5/16"-18	3/8"-16	1/2"-13	5/8"-11				
Length									
3/4	Χ.	X							
1	X	X	Х	X	X				
11/4	X	X	X	Х	X				
1 1/2	X	X	X	X	X				
1 3/4	X	X	X	X	X				
2	X	X	Х	Χ,	X				
21/4	X	X	, X	X	X				
21/2	X	X	X	X	X				
23/4	X	X	X	X	X				
3	X	X	X	Х	Х				
31/4	X	X	X	Х	Х				
31/2	X	X	X	X	Х				
3 3/4	X	X	X	X	X				
4	X	X	X	X	X				

PHILLIPS RECESSED HEAD MACHINE SCREWS

24S-T4 BRIGHT FINISH

16-6	6-32	8-32	10-24	10-32	1/4"-20	5/16"-18	3/8"-16
Length	11.15						
1/4"	FRO	FRO					
5/16"	FRO	FRO	FR	FR			1-1-
3/8"	FRO	FRO	FRO	FR	FR		4
7/16"-	FR	RO	R	FR			
1/2"	FRO	FRO	FRO	FR	FRO	FR	
5/8"	FRO	FRO	FRO	FR	FRO	FR	
3/4"	FRO	FRO	FRO	FR	FRO	FR	FR
7/8"	FR	FR	FR	FR	FR	R	F
1"	FRO	FRO	FRO	FR	FRO	FR	FR
1 1/8"	RO	RO	R	R			
11/4"	FR	FRO	FRO	FR	FRO	FR	FR
1 1/2"	at sky	FR	FRO	FR	FRO	FR	FR
1 3/4"	4		FR	FR	FR	R	
2"			FR	FR	FR	FR	F

PHILLIPS RECESSED HEAD WOOD SCREWS

24S-T4 BRIGHT FINISH

	#4	#5	#6	#7	#8	#9	#10	#12	#14
Length									
3/8"	FR		-		- 11/2	1.703	1,10	EH.	
1/2"	FRO	0	FRO	R	FR				
5/8"	FRO	0	FRO	(6)	FRO				
3/4"	FRO	FRO	FRO	FR	FRO	R	FR		
7/8"		F	FRO		FRO	7	FR		1
1"	0	FRO	FRO	FRO	FRO	F	FRO	FR	
1 1/4"			FRO	RO-	FRO	F	FRO	FR.	F
11/2"				F	FRO	FR	FRO	FR	F
1 3/4"	Test-				FR		FR	FR	F
2"					FRO		FRO	FR	FR
21/2"								FR	FR
3"	1								F

HEXAGON 24S-T MACHINE SCREW NUTS

4-40	10-24	1/4"-20
6-32	10-32	5/16"-18
8-32		3/8"-16

HEXAGON 24S-T BOLT NUTS

1/4"-20	3/8"-16	5/8"-11
5/16"-18	1/2"-13	attala es aces

"J"-Jackson Head "F"-Flat Head "R"-Round Head "O"-Oval Head

As our stocks are constantly being enlarged we solicit your inquiries for items of Aluminum Screw Machine Products and Rivets not shown in this catalog.

J. G. BRAUN COMPANY

			RO	UND	HEA	ND.				
Length	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	11/4"
Diameter 1/16 3/32 1/8 5/32 3/16 1/4"	×	××××	××××	××××	×××××	××××	×××	××××	×××	×××

FLAT COUNTERSUNK HEAD										
Length	1/4"	3/8"	1/2"	5/8"	3/4"	1"	11/4"	11/2"		
Diameter /8 3/16 /4 /4	×	×××	×××	XXX	XXX	×××	X	×		

FLAT HEAD										
Length	1/4"	3/8"	1/2"	3/4"	1."	11/4"				
Diameter 1/8"	X	X	X	X	X					
3/16 1/4"		X	X	X	X	X				

NOTES

16 12 per - 270 6 pro 16 per - 276 112 m 16 H

